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2.1 HW

p60-61

4-6, 17-22, 23-27 ^{no sum}, 42, 44-47, 51

4. yes (5) yes (6) no

17. yes (18) no (19) no

21. yes (21) yes (22) no

23. $D \{2, -3, 1\}$ F_n (25) $D \{-2, 3\}$ not F_n
 $R \{1, 0, 5\}$ $R \{5, 7, 8\}$ 27. $D \{0, 2, 1, 4, -3, 6\}$ F_n
 $R \{-1, 1, -3, 2, 8\}$ 42. $\{(1987, 12) (1989, 13) (1991, 11) (1993, 12)$
 $(1995, 9) (1997, 6) (1999, 3)\}$ 44. $D \{1987, 1989, 1991, 1993, 1995, 1997, 1999\}$ $R \{12, 13, 11, 9, 6, 3\}$

45. yes not 1-1 b/c 12 used twice

46. $f(-3) = 3(-3) - 5 = -14$

47. $g(3) = 3^2 - 3 = 6$

51. $g(5n) = (5n)^2 - 5n = 25n^2 - 5n$